X10 Product Overview

2009

BMB Electronics B.V.

Activities
BMB Electronics B.V. is distributor for Europe, the Middle East and Africa, of various product lines related to Audio / Video Distribution Systems, Building Automation and Audio / Video Accessories.

BMB Electronics B.V. has three divisions:
1. BMB Home
2. BMB Custom A / V
3. BMB Lifestyle / HiFi

BMB Electronics B.V. sets itself apart by two core competences:
- Fast Delivery: Nearly all products are available from stock.
- Technical Support: BMB Electronics B.V. has extensive knowledge of Audio / Video Distribution Systems, Building Automation and Audio / Video Accessories. Training courses and ad-hoc support are considered to be essential added-values to our customers.

Location
BMB Electronics B.V. is located in Veen (The Netherlands, province Noord-Brabant) and has more than 2.500 m2 warehouse space, as well as over 300 m2 space for training and demonstration. From this location BMB Electronics B.V. serves the European continent. Besides that, subsidiary BMB Electronics UK, located in Stanton (Suffolk, United Kingdom) serves the United Kingdom using another 600 m2 warehouse space. BMB Scandinavia, with a sales office in Askim (Gothenburg, Sweden), takes care of the Scandinavian countries.

History
BMB Electronics B.V. was established in 2003. However, the owners of BMB Electronics B.V. have already been active in the Audio / Video market since 1987, previously under the company name Martek. BMB Electronics B.V. can therefore rely on a long history and extensive knowledge of available solutions.

Products

The product lines of BMB Electronics B.V. are split over three divisions:

1. BMB Home This division supplies affordable solutions to wholesalers, retailers and web shops. This relates to products within the area of Home Entertainment (IR and RF remote controls, video senders, cable senders), Home Automation (light control) en Home Security (security packages). These products can usually be installed by consumers themselves or they are part of (re-)construction projects of electrical installers.

2. BMB Custom A / V This division supplies integrated "high-end" solutions to Custom Installers, i.e. specialised installers handling both commercial and residential projects. These installers design complete Audio / Video and Building Automation systems into buildings (schools, offices, churches and luxury houses).

3. BMB Lifestyle / HiFi This division supplies "high-end" Audio / Video products like Amplifiers, Loudspeakers, Plasma / LCD Screens and Audio Systems to HiFi dealers.

For more information on BMB Electronics BV and our products we refer to our website www.bmbelectronics.eu.

Home Automation

Home Automation

HOME AUTOMATION KITS

CK17x Computer Interface Kit 7pcs	Special 7pcs Home Automation Starter Kit based on the CM11 Computer Interface. Can either be offered in neutral white carton or with nice and attractive retail carton sleeve.	* Contents: - CM11 Computer Interface with software and RS232 cable **(can also be delivered with USB cable)** - AM12 Appliance module - 2x LM12 Lamp module - LM15 Socket Rocket Lamp mod. - TM13 Transceiver module - 8/1 Universal IR/RF R.C. * Customized Kit negotiable
CK13x Computer Interface Kit 3pcs	Special 3pcs Home Automation Starter Kit based on the CM11 Computer Interface. Can either be offered in neutral white carton or with nice and attractive retail carton sleeve.	* Contents: - CM11 Computer Interface with software and RS232 cable **(can also be delivered with USB cable)** - AM12 Appliance module - LM12 Lamp module * Customized Kit negotiable
DK10x Barking Dog Kit	If the ReX-10. is armed and an intruder approached your home the outdoor battery operated DM10 sends a wireless RF Signal to the ReX-10 to tell it to start working. If motion continues ReX-10. continues to bark and starts to turn on indoor and outdoor modules connected to X10 modules. Also turns lights on at dusk.	* Automatically activates a digital recording of a barking dog * Automatically turns on lights, even at dusk and turns them off again at dawn * Compatible with the full range of Home Automation, Security products and Remote Controls
LK15x Lighting Starter Kit 3pcs	Special Lighting Starter kit based on the LM15 Screw-In or Bayonet Lamp module. Packed in attractive retail blister. Convenience and security with a remote control e.g. an outside garden light can be used.	* Contents: - TM13 Transceiver module - LM15 Socket Rocket (Screw-In or Bayonet - KR22 H.A. Key Chain Remote * Customized Kit negotiable
MK13x (with MT10 or MT12) Mini-Timer Kit 3pcs	Attractive Starter kit based on MT10 or MT12 Mini-Timer. Can be used as Wake-up alarm and base console to control your lamp- and appliances via the main Power Line.	* Contents: - MT10 or MT12 Mini-Timer - AM12 Appliance module - LM12 Lamp module

Home Automation

TK13x Home Control Kit 3pcs	Control your lamp- and appliances like (audio, video appliances, coffee machine, water pomp etc) with one URC remote control. Built-in Home Automation features allows you to remotely control light- and appliances.	* Contents: - UR24, UR76, UR81SLR, URTSRF 8/1 remote control - TM13 Transceiver module - LM12 Lamp module

HOME AUTOMATION CONTROLLERS

CM15 Plug-In Universal Computer Interface incl. TM13 &	You now have the power to control your whole home from your computer! With ActiveHome Pro and your X10 Modules you can create schedules for your lights and appliances, set up groups of commands for your daily life, and keep lights and appliances off when they're not in use. Use ActiveHome Pro to make your home more comfortable, and more secure.	* Software CD - Contains ActiveHome programs * Home Automation Interface CM15 - Sends commands to Lamp/Appliance Modules (Modules may be included or sold separately depending on which kit you purchased) * USB Cable Connects your PC to the Interface * Works with the PC switched off.
CM11x Plug-in Universal Computer Interface	Now your PC can control your entire house for comfort, convenience, security, entertainment and energy saving. The ActiveHome interface allows your PC to respond to signals from X10 remotes, so with the push of a single button you can trigger a whole set of events! Bring your home to life with great features like Virtual WiringTM, scheduled scenes, and manual scenes (or macros).	* A learn mode lets your home interact and adjust itself to your daily routine! * Controls 256 different X10 addresses, 128 settings each. * Includes software on CD-Rom. * Works with the PC switched off. * Back up battery 2 x AAA (not incl.) * 230V, 50Hz * **Also availablabe with USB cable**
CM19 2-Way RF Receiver	The CM19 Computer Interface sends and receives Wireless RF signals and works with BMB HOME's/X10 software. With the software you can automatically turn on lights, appliances and cameras when motion is detected and also lets you control lights, appliances and cameras over the internet.	* Use of the CM19 requires Windows 95 OSR 2.1 with USB support, or Windows 98, 2000, Me, or XP
IR7243IR, IR7243IR/RFx Smart H.A. Mini Controller	This Mini Infrared Command Console lets you use an IR/(RF) remote controller capable of transmitting X10 IR(RF) commands to turn on lights and appliances connected to X10 modules. It also includes buttons to control up to 16 X10 products directly from the console, including bright and dim functions and all lights on/off.	* 2 Flashing LED'S * IR to PLC converter *** IR/RF to PLC converter also available** * All units On / All units Off button * Dim and Bright button * 230V, 50Hz

Home Automation

MT10x LED Mini-Timer Controller	Provides for whole house programmable remote control from one location through X10 lamp, appliance, and wall switch modules. Applications are virtually endless. Gives your home a lived-in appearance for additional security even when you are not at home.	* Bright LED clock display * Wake-up alarm * Independent on/off timer control of four groups of X10 modules * Security random lamp function with battery backup (not included) * 230V, 50Hz
MT12x LCD Mini Timer Controller with Mode setting	With the Mini-Timer, you get the world's most powerful Alarm Clock and Digital Timer in one! Control up to 8 different lights and appliances connected through X10 Lamp, Appliance, Transceiver or Wall Switch Modules. Schedule lights and appliances to go on and off when you need. Turn off your child's radio or nightlight from your bedside and dim your bedside lamp. You can even turn on all lights on with the touch of a button if you hear a suspicious noise at night.	* Control up to 8 different light-and appliances * · Awake to bedroom lights turning on, then your bathroom and next your kitchen * Independent on/off timer control of four groups of X10 modules * Left your lights on? A single press button turns all your lights off! * Here a noise! Turn on all the lights with a single press of the button * 230V, 50Hz
MC10x Home Automation Mini Contr.	The Mini Controller lets you remotely control lights and appliances from anywhere in your home. You can turn off your child's night light or the television downstairs without getting out of bed at night. Your Mini Controller can turn on all connected lights and appliances up to 8 different modules (addresses) with the push of a button. And, you can turn off everything in the system with one button to conserve energy. You also can dim and brighten lights with your Mini Controller.	* Control up to 8 different light-and appliances - Turn on/off your TV, stereo system, radio, fan or other appliances anywhere in your home - Dim/brighten and turn on/off lamps from your easy chair or bedside table * 230V, 50Hz
SC28x Wireless Voice Dialler Security & Advanced H.A. Controller	Fully supervised 32 zone security system that gives you the power to protect your home whether you are at home or away. Built-in preventation features makes your house "lived-in". Centralized console always ensures you about the status of your home. Remote control of alarm light and appliances from anywhere in the world with any telehone (pulse or dialing).Keypad and remote control operated.	* Temperature control up to 4 thermostats TS10 (optional) * 7 days timer with 14 timer points e.g. create a lived in look while you are away * Dial-in (from anywhere in the world) for Alarm, Home Automation and Temperature status and setting * Listen-in functionality and Events Log * Rechargeable batteries for base console (included)!

Home Automation

SD10 SunDowner/Mini Controller	The Sundowner let you remotely control lights and appliances from anywhere in your home. You can keep it by the bedside and turn off the TV and the lights and turns off a 2nd room lights from elsewhere.	* Controls up to 8 modules * Uses the house wiring * Switches all lights on automatically at night time * Turns all light on or all units off at the touch of a button * 230V, 50Hz
SM10x Burglar Alarm Interface	Connects to the output of an existing, non X-10 burglar alarm, and flashes house lights when your alarm is tripped. Works with X-10 lamp and appliance modules. Easy to use door entry security system to activate lamp/appliance via magnetic contact.	* 3 modes of operation. * Activated by a low voltage input or dry contact closure * Contact Closure ->PLC * 230V, 50Hz
UM7206x Universal Module	This module uses isolated contacts to control such devices as sprinkle systems, drapery controls, garage door openers, any kind of low voltage load. It can be set for momentary or sustained contact closure, and has a built in chime to use an annonciator.	* Controls low voltage devices * Operates as a beeper * Test (On) button and Unit Off button * 5A at 24VDC * PLC -> Low Voltage Contact Closure
XM10x Plug-in Two Way PLC Interface	The Two-way PLC interface has been designed for controller manufacturers to implement X10 PLC control. The function of the PLC control is decided by the controller manufacturer and implemented in the controller panel which generates X10 codes, which the interface transfers onto the PowerLine. All patent related criteria are satisfied within the interface.	* LED lamp to indicate power * RJ11 socket * 230V, 50Hz * TTL/CMOS I/O <-> PLC

DIN-RAIL MODULES

AD10 Switch Din Rail	The DIN rail Switch is a remote controlled relay. Mounted on a DIN rail in a distribution box, it switches hard-wired circuits with several wall switches. The internal relay can be tripped either by a X10 Controller or by external contacts. When the relay is energized, the LED above the slide switch is illuminated.	* Works with standard latched or momentary action wall switches including "designer" wall switches. * 3600W (incandescent lamps) * 3A (motors), 16A (resistive loads) * 230V, 50Hz

FD10 Filter/Coupler Din Rail Mount	The signal of high frequency pulses via the mains network can be affected by active or passive interferences. When used correctly, the Filter/Phase Coupler will extensively suppress these interferences.	* Prevents X10 signals from leaving, entering the home * Couples signals across phases * 63A * 230V, 50Hz
LD11 Dimmer Din Rail w. memory dim	The DIN rail Dimmer is a receiver module that serves as remote controlled dimmer. Mounted on a DIN rail in a distribution box, it dims/switches hard-wired circuits with several wall switches. The dimmer can be controlled either by an X10 controller, or by external contacts (wall switches).	* Works with standard latched or mom-entry action wall switches including "designer" wall switches * Soft Dim/Soft Start and remembers is lights lever for smooth lighting. * Making capacity 60W to 700W * Fuse: 3.15A (T) * 230V, 50Hz

PLUG-IN MODULES		
AM12x Plug-In Switch/ Appliance Mod.	500w plug-in module for controlling appliances such as air conditioners, TV's, stereo's, coffee pots, etc. Can be controlled by any X10 controller. On / off function	* Max 3600 Watts (incandescent lamps) * 1A (motors) 16A (resistive loads) * Dimensions: 52x122x33mm * 230V, 50Hz
  Plug-In Universal Computer Interface incl. TM13 &	You now have the power to control your whole home from your computer! With ActiveHome Pro and your X10 Modules you can create schedules for your lights and appliances, set up groups of commands for your daily life, and keep lights and appliances off when they're not in use. Use ActiveHome Pro to make your home more comfortable, and more secure.	* Software CD - Contains ActiveHome programs * Home Automation Interface CM15 - Sends commands to Lamp/Appliance Modules (Modules may be included or sold separately depending on which kit you purchased) * USB Cable Connects your PC to the Interface * Works with the PC switched off.

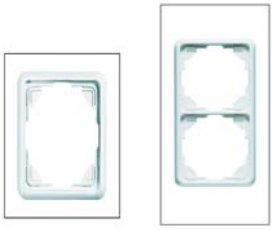
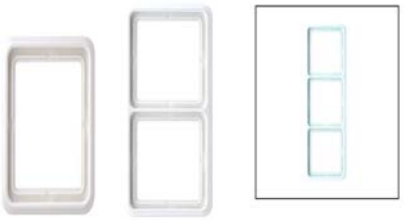
Home Automation

CM11x Plug-In Universal Computer Interface	Now your PC can control your entire house for comfort, convenience, security, entertainment and energy saving. The ActiveHome interface allows your PC to respond to signals from X10 remotes, so with the push of a single button you can trigger a whole set of events! Bring your home to life with great features like Virtual WiringTM, scheduled scenes, and manual scenes (or macros).	* A learn mode lets your home interact and adjust itself to your daily routine! * Controls 256 different X10 addresses, 128 settings each. * Includes software on CD-Rom. * Works with the PC switched off. * Back up battery 2 x AAA (not incl.) * 230V, 50Hz * **Also availablabe with USB cable**
FM10x Plug-In Filter (16A)	The signal transmission of high frequency pulses via the mains network can be affected by active or passive interferences. When used correctly, the plug-in filter will extensively suppress an interference from a poor quality power supply or motor.	* Prevents X10 signals from leaving, entering the home * Couples signals across phases * 63A * 230V, 50Hz
LM12x Plug-In Dimmer Module	A plug-in module for incandescent lamps. Ideal for controlling bedroom, living room, and family room table lamps. Also re-sponds to dim and brighten commands from X10 controllers. On/Off and dimmer control	* Fuse: 3A * 40-300W load rating * 230V, 50Hz
LM15ES/EB Lamp Switch Screw-in /Bayonet	There is no installation to be carried out. Just screw it in the lamp fitting. It will adopt the first address it receives through the mains as its house and unit code. (there is an E^2 prom that stores the house and unit code even when the power is cut)	* Small enough to fit into most lamp fittings where it is hidden from sight. * Screw-In and Bajonet version. * On/off control of incandescent lighting. * 60-150 W (incandescent lamps only) * 230V, 50Hz
TM13x Plug-In Transceiver & Switch	RF remotes transmit commands to a Transceiver Module which then passes X-10 commands over the Mains PowerLine to the X10 modules. Can also be used as a normal appliance module. Status indication through CM11 and Active Home Software.	* Built-in appliance module * Compatible with all X10 Wir. Rem. * RF-PLC Interface * 5A (TM13) resistive load * 1A Motors load * 433.92MHz * 230V, 50Hz * CE approved

XM10x Plug-In Two-Way PLC Interface	The Two-way PLC interface has been designed for controller manufacturers to implement X10 PLC control. The function of the PLC control is decided by the controller manufacturer and implemented in the controller panel which generates X10 codes, which the interface transfers onto the PowerLine. All patent related criteria are satisfied within the interface.	* TTL/CMOS I/O <-> PLC * LED lamp to indicate power * RJ11 socket * 230V, 50Hz

ON-WALL SWITCHES & WIRED MODULES		
AM12W Switch/Appliance Mod. Wired	The AM12W is a wired appliance module that can be fitted easily in any ceilings, walls. On / Off function Has the same technical specification as the AM12	* Max 3600 Watts (incandescent lamps) * 1A (motors) 16A (resistive loads) * 40 - 300W * 230V, 50Hz
AW10G Wall Mounted Switch G type	Replaces your existing standard wall switches. The AW10 receives signals form X10 controllers. For automation of indoor/outdoor lights including front porch, patio, hallway, and stairway lights Push-action paddle for local control	* On/Off control of fluorescent lighting On/Off control of appliances such as heaters/fans etc rated up to 10A * Supplied with frame and paddle. * 230V, 50Hz
AW10U Switch Wall Mounted UK type	Replaces your existing standard wall switches. The AW10 receives signals from X10 controllers. For automation of indoor/outdoor lights including front porch, patio, hallway, and stairway lights Push-action paddle for local control	* On/Off control of fluorescent lighting On/Off control of appliances such as heaters/fans etc rated up to 10A * Supplied with frame and paddle. * 230V, 50Hz
LW10U Dimmer Wall Mounted UK	Replaces any normal dimmer for X10 control of branch lighting circuit rated between 60w and 500W. Works with X10 controller and momentary action wall switches. Can also be used like an ordinary dimmer Push-action paddle for local control	* Soft Dim/Soft Start and remembers its light lever for smooth lighting. * Supplied with frame and paddle * 60 - 300W load rating * Fuse: 2.5A (T) * 230V, 50Hz

Home Automation

LM12W Dimmer Module Wired	The wired Lamp Module is a module that can be fitted easily in any ceilings, walls. On/Off function and Dimming control. The LM12W can be built-in, wired to the light or lamp it has to controlled. Has the same technical specifications as the LM12	* Fuse: 3A * 40 - 300W load rating * Dimensions: 52x122x33mm * 230V, 50Hz
LW11G Dimmer Wall Mounted German	Replaces any normal dimmer for X-10 control of branch lighting circuit rated between 60w and 500W. Works with X-10 controller and momentary action wall switches. Can also be used like an ordinary dimmer Push-action paddle for local control	* Fuse: 3A * 60 - 500W load rating * Dimensions: 52x122x33mm * 230V, 50Hz
SW10G Shade Shutter Switch	Replaces any normal dimmer for X10 control of branch lighting circuit rated between 60w and 500W. Works with X10 controller and momentary action wall switches. Can also be used like an ordinary dimmer Push-action paddle for local control	* Soft Dim/Soft Start and remembers its light lever for smooth lighting. * Supplied with frame and paddle * 6A Motors * Fuse: 2.5A (T) * 230V, 50Hz
5581WW en 5582WW  Jung accessories	CD5581, CD5582 en CD5583  Jung accessories	PRCG en PRCW

In-Wall Modules

AW12 Switch In-Wall Appliance Mod.	The AW12 Micro Module can be mounted behind any wall switch, even most designer switches. It is an X10 receiver module that can be controlled by any X10 controller or remote control sending X10 signals. The AW12 reacts to standard X10 protocols: "ALL UNITS ON", "ALL UNITS OFF", "ALL LIGTHS OFF" from any X10 controller.	* Works with any X10 controllers * Max 2000 Watts (incandescent lamps) * 3A (motors), 16A (resistive loads) * 230V, 50Hz

Home Automation

LW12 Dimmer In-Wall Lamp Mod.	The LW12 Micro Module can be mounted behind any wall switch, even most designer switches. It is an X10 receiver module that can be controlled by any X10 controller or remote control sending X10 signals. It can also be turned Off, On Dim or Bright by external momentery action wall switches.	* Works with any X10 controllers * 2 wires, no neutral *On/Off and dimmer remote control * Softstart and softdim * Memory function of last dim position * Dimmer 60 - 250W * 230V, 50Hz
2-Way In-Wall modules		
SAIX(16A) Swich In-Wall actor/ interface	The SAIX is both a switch actor and interface and can be build-in in a backbox behind light or pulse switches. With the SAIX you can control your lights and appliances locally as well as from a distance via an RF remote control.	* 230V, 16A suitable for ohmic, inductive and capacitive loads * Control a maximum of two consecutive addresses * Can be used in group commands * Automatic status report possible
DAIX10 (25 - 250W) Dim In-Wall actor/interface	The DAIX10 is both a dimmer actor and dimmer interface. This module can be build-in in a backbox behind a (toggle) pulse switch. By using the DAIX10 you can control your lights and appliances locally as well as from from a distance via an RF remote control.	* 25-250W * Suitable for 230V conventional and halogen lighting and low voltage halogen lighting with a coil wound or electrical transformer * Can be used in group commands * State of memory function switches on to last dimming position
AIX On/Off In-Wall Interface	The AIX is a switch interface that can be build-in in a backbox behind switches or pulse switches. By using the AIX is is possible to switch lights or appliances provided with switch actors via RF remote control. Used in combination with a SAIX, the AIX can carry out various alternating and crisscross switching operators	* Send On/Off commands * Can control up to max. 4 addresses * Autamatic status adaption or fixed mode * Status can be requested after commands have been sent * Can be connected to a potential-free outlet of an external electrical appliance
DIX2 Dim In-Wall interface	The DIX2 is a dimmer interface that can be build-in in a backbox behind a toggle pulse switch. By using the DIX2 ligthing provided with a dimmer actor can also be switched or dimmed via an RF remote control.	* Sends On/Off commands * Can control up to a maximum of two addresses * Two wires per address; 1 for on/bright and 1 for off/dim * Can only be used with toggle pulse switches

Home Automation

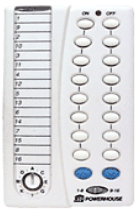
DIX1 Dim In-Wall Interface	The DIX1 is a dimmer interface that can be build-in in a backbox behind pulse switches. By using the DIX1, lighting points provided with a dim actor can be dimmed and/or switched locally or via an RF remote control.	* Sends On/Off commands * Can control up to a maximum of four addresses * One wire per address for on, off, bright and dim * Can only be used with pulse switches * Status can be requested after commands have been sent
 Jung switches	 Jung switches	* BMB supplies a full range of Jung switches which are available from stock.
SAIX12 Switch actuator/ interface 230V In-Wall module	The SAIX12 is both a switch actor and interface and can be build-in in a backbox behind light or pulse switches. With the SAIX you can control your lights and appliances locally as well as from a distance via an RF remote control.	* Can be used to switch socket outlets, luminaires and in combination with mortion sensors * Can be operated with (rocker) switches and retractive switches * Provided with two 230V inputs, possibility to operate a liminair with different switches using only one module *One swithce 16A output with intergrated, patended, hybrid circuit * Two independently programmable addresses
DAIX12 Dim actuator/ interface 230V In-Wall module	The DAIX12 is both a dimmer actor and interface. This module can be build-in behind behind retractive switches. By using the DAIX12 you can control your lights and appliances locally as well as from from a distance via an RF remote control.	* Can be used to dim sockets and luminaires up 250W * Can be operated with retractive switches * Provided with two 230V inputs, possibility to operate a luminaire with two different switches using only one module * One 25-250Watt output *Suitable for conventional and halogen lighting and low voltage halogen lighting wit ha coil wound or
IMX10 Multifunctional interface, In-Wall module	The IMX10 is a multifunctional interface which can be build-in behind (rocker) switches and retractive switches for making macro's. By using the IMX10 you can control light and appliances locally or via an RF remote control	* Can be used to control various switch and dim actors or light scenarios * Provided with four potential free contact inputs * Four indepently programmable addresses and functions. * Can be operated with (rocker) switches and retractive switches * Sends switch, dim and group commands

ZAX12 Blind actuator In-Wall module	Can be used to control electrical sun blinds, rolling shutters and curtains. Two independently programmable addresses (Motor and Preset).	* Provided with four 230 V-inputs * One output to operate 2,5 A, 230V Vac motors * Can be operated with retractive switches * Preset and Lock function * Can be programmed remotely

FILTERS/COUPLERS/REPEATERS		
CAT6272 PLC Signal Repeater 3-phase (active coupler)	In large installations with 3 phase electric supply, for best results the Signal Repeater ensures the X10 Signal will reach anywhere in your house. Wherever the X10 signal transmitter is located, the Signal Repeater will pick up the signal and re-transmit on the other phases and repeat on the same phase.	* Couples X10 signals across phases * Repeats the signal to normal power * Dimensions: 75 x 120 x 40 mm * 230V, 50Hz
ARC3 Active Repeater and 3-phase coupler	The phase coupler (ARC3) receives In Wall modules commands. These signals are then amplified to the maximum signal level and transmitted on all phases.	* The phase coupler receives In-Wall module commands * The signals are then amplified to the maximum signal level and transmitted on all phases * The phase coupler must be connected to a 16 A 3 phase circuit
FD10 Filter/Coupler Din Rail	The signal of high frequency pulses via the mains network can be affected by active or passive interferences. When used correctly, the Filter/Phase Coupler will extensively suppress these interferences.	* Prevents X10 signals from leaving, entering the home * Couples signals across phases * Passive Coupling * 63A * 230V, 50Hz
FM10x Plug-in Filter (16A)	The signal transmission of high frequency pulses via the mains network can be affected by active or passive interferences. When used correctly, the plug-in filter will extensively suppress an interference from a poor quality power supply or motor.	* Prevents X10 signals from leaving, entering the home * Couples signals across phases * 63A * 230V, 50Hz * CE approved

SR9231 RF 433MHz Signal Repeater	Works with all X10 Wireless Security and RF Automation products (except the POWERMID). Increases the RF range by up to 30m.	* Test button * Range 30M * 230V, 50Hz * suitable for HA and Security products
TF678 PLC Signal Blocer	The X-10 signal blocker filter is designed to be installed at the input of the consumer unit breaker panels or fuse boxes. This allows X10 signals to pass between different wiring circuits, but prevents them for leaving the household and interfering with X10 equipment in nearby homes. It also prevents other signals or interferences from penetrating into the house network from outside.	* 200A Filter/Coupler * Same features as FD10 * 230V, 50Hz
PLCAUTO PLC Auto Test Set (Rec+Trans)	Test Equipment for signal strength or noise levels. These devices exist to help installers test the design and set-up of any X10 system for reliability.	* XPTT: Sends a continuous X10 command signal transmission from the location where it is plugged in. * XPTR: Measures the strength of X10 command signals throughout the home These devices simply plug-in and are recommended for testing all X10 installations.
UPU Universal Programming Unit	The UPU is and indispensable tool for the proficient installation of In Wall modules. With this programming unit, the In Wall modules can be easily programmed. Furthermore, the In Wall modules commands can be sent and received and shown in the display. In addition, the intensity of the signal and noise level can be measured. In this way, it is possible to inspect the lighting network before the system is installed, isolate any interference with a filter and to test modules at the moment of fitting. Finally, the complete installation can be tested before it is handed over to the resident.	* Easy to read LCD display * Transmits and receives X10 signals * Makes commands that have been sent visible

Home Automation

WIRELESS (RF) PRODUCTS		
COD18 Wireless Smoke Detector	The CO detector can be connected to various X10 alarmsystems like the Protector sets (BS880) and the Homeguard (BS8000). The CO detector works on batteries. When carbon monoxide or smoke is detected the smoke detector will send a wireless signal to the alarm centre.	* Sends RF signals within a range of 15-30 meters trough walls and ceiling to the X10 security console * Send out an alarm when smoke is detected
CM19 Two-Way (RF <-> PC Interface	The CM19 Computer Interface sends and receives Wireless RF signals and works with BMB HOME's/X10 software. With the software you can automatically turn on lights, appliances and cameras when motion is detected and also lets you control lights, appliances and cameras over the internet.	* Use of the CM19 requires Windows 95 OSR 2.1 with USB support, or Windows 98, 2000, Me, or XP
GD18 Wireless Gas Detector compatible with X10 Security	The gas detector can be connected to various X10 alarmsystems like the Protector sets (BS880) and the Homeguard (BS8000). The smoke detector works on batteries. When a flammable gas is detected (like i.e. LP Gas, natural gas or Methane) the gas detector will send a wireless signal to the alarm centre.	* Sends RF signals within a range of 15-30 meters trough walls and ceiling to the X10 security console * Send out an alarm when flammable gas is detected
HR10  RF Remote Control (16 Ch.)	Allows you to control up to 16 (per house code) X10 lights and appliances connected to X10 modules (on the specified house code) remotely. Has dim and brighten control for incandescent lighting.	* Works with Transceiver Module or Security/personal assistance consoles * can control up to 16 modules/addresses * Range 30M * Battery operated: (4 x AAA battery, not included) * RF 433.92MHz
KR22 RF Slimline Keyfob (4 Ch.)	Allows you to control up to 4 appliances or lights remotely when used with X10 RF base receivers. Has dim and brighten control for incandescent lighting. Ultra-flat Keychain design.	* Compatible with all X10 H.A. RF Transceivers. (e.g. TM13) * Range 20M * Battery operated (included) * RF 433.92MHz

Home Automation

MS13E Wireles Motion Detector	This unique product takes you above and beyond the capabilities of similar looking devices. In addition to turning on dual floodlights when the detector picks up motion, the PR7211 can turn on up to 4 X10 modules in or around your home. Security and convenience applications for this product are endless. Can be turned on or off from other X10 controllers.	* PIR Detector * Photocell for dusk/dawn functionality * Activate indoor or outdoor lighting, or sound a chime to alert you when someone approaches * Outdoor dual floodlights (not included) * RF 433.92MHz
SS13 RF WallSwitch 3Ch.+ bright / dim	Slim and elegant designed wall switch which allows you to control 3 modules from anywhere in the home. It is normally used with a TM13 transceiver module which passes through all codes from the wireless wall switch onto the powerline to control the X10 modules.	* X10's RF wireless switches work with RF receivers to allow you to virtually re-wire your home. Convenient alternative to contractor installed switches. * Attaches to any surface using Velcro™ or screws (provided). * Range 30M * Battery operated (Included) * RF, 433.92MHz
SD18 Wireless Smoke Detector compatible with X10 Security	The smoke detector can be connected to various X10 alarmsystems like the Protector sets (BS880) and the Homeguard (BS8000). The smoke detector works on batteries. When smoke is detected the smoke detector will send a wireless signal to the alarm centre.	* Sends RF signals within a range of 15-30 meters trough walls and ceiling to the X10 security console * Send out an alarm when smoke is detected
TS10 RF Digimax 210 (Thermostat)	RF receiver for Digimax 210 	* No wires to install * Ideal for comi boilers * X10 compatible
SH600 RF Sec. Remote Control	This full featured remote can be added to any X10 Security console to arm and disarm the system. Control for up to 4 other devices also allows you to brighten and dim, turn on and off lights and appliances, throughout the home. Available in both white as grey color!	* Works with Transceiver Module or Security/personal assistance consoles * Panic button * Range 30m * Battery operated: (4 x AAA battery not included) * Can also be used as Home Automation Remote Control * RF, 433,92MHz

Home Automation

UR24 8/1 Universal IR+RF R.C.	The 8/1 remote control replaces almost all remote controls from TV's,VCR, DVD and SAT receivers. Controls X10 modules via RF signal. Extensive code library. With automatic code search function and learning function of the original control codes.	* Replaces 8 remotes * Includes separate satellite, CD and * X10 Home Automation buttons Easy to set up * Learning function to record commands from existing remotes * RF, 433,92Mhz
UR76 8/1 Universal IR+RF R.C.	The **"new"** 8/1 remote control with full menu functions replaces almost all remote controls from TV's,VCR, DVD and SAT receivers. Controls X10 modules via RF signal. Extensive code library. With automatic code search function and learning function of the original control codes.	* Replaces 8 remotes * Includes separate satellite, CD and X10 Home Automation buttons * Easy to set up * Learning function to record commands from existing remotes * RF, 433.92Mhz
URTSRF 8/1 Touchscreen remote IR+RF	The URTSRF is designed to control up to 8 devices (TV, VCR, CD, SAT, CBL, DVD, AUDIO and X10 Home Automation. To allow direct control of all these appliances in a convenient way, the URTSRF includes Touchscreen. The Touchscreen can display only the functions you need during a certain sequence e.g. during the setting of URTSRF to control A/V appliance or when you are controlling one of your appliances.	* Replaces 8 remotes * Includes separate satellite, CD and X10 Home Automation buttons * Easy to set up * Learning function to record commands from existing remotes * The screen can be customized * IR learnining up to 150 keys, 9 user programmed Macros * All Power Off and sleep timer feature * Backlight screen
UR81SLR 8 in 1 Univeral IR+RF learning Remote Control (Take Control)	Universal remote control for up to 8 A/V appliances including Home Automation X10. Works with present and future equipment (preprogrammed and learning capability). With easy to use 'Macro' function, switch all equipment to the desired setting with one press of a button. With the 'IR Link' Receiver (optional) you can control equipment which is out of sight, anywhere in your house, even through walls and ceilings	* Replaces 8 remotes * Learning function to record commands from existing remotes * Works through walls and floors * The X10 transceiver module (optional) gives the ability to control lights and other electrical appliances. * A source LED indicates which device you are controlling.
UR86E PC Remote Control	Remote Control for your PC. Control the MultiMedia functions on your PC. When your TV is connected to a TV, you can control PC media files on the TV or Stereo. The PC Control is also a universal IR remote control for all your audio and video equipment.	* Wide range wireless mouse control * (RF 10-20m) * Works through walls and floors * Control your lights and appliances with X10 modules * Includes Showshifter software, USB receiver and Universal Remote Control

UR86EL UR86E+ Learning functions	Remote Control for your PC. Control the MultiMedia functions on your PC. When your TV is connected to a TV, you can control PC media files on the TV or Stereo. The PC Control is also a universal IR remote control for all your audio and video equipment.	* Wide range wireless mouse control * (RF 10-20m) * Works through walls and floors * Control your lights and appliances with X10 modules * Includes Showshifter software, USB receiver and Universal Remote Control * **Plus Learning Functions**
WD18 Wireless Water Detector compatible with X10	The water detector can be connected to various X10 alarmsystems like the Protector sets (BS880) and the Homeguard (BS8000). The water detector works on batteries. When water is detected the waterdetector will send a wireless signal to the alarm centre.	* Sends RF signals within a range of 15-30 meters trough walls and ceiling to the X10 security console * Send out an alarm when water is detected

Various		
UR81S/B+IR7243 Kit IR to PLC Converter Kit	This Mini Infrared Command Console lets you use an IR/(RF) remote controller capable of transmitting X10 IR(RF) commands to turn on lights and appliances connected to X10 modules. It also includes buttons to control up to 16 X10 products directly from the console, including bright and dim functions and all lights on/off.	* 2 Flashing LED'S * IR to PLC converter *** IR/RF to PLC converter also available** * All units On / All units Off button * Dim and Bright button * 230V, 50Hz * Incl. UR81B/S IR Remote Control
URTSIR+IR7243 Kit IR to PLC Converter Kit	This Mini Infrared Command Console lets you use an IR/(RF) remote controller capable of transmitting X10 IR(RF) commands to turn on lights and appliances connected to X10 modules. It also includes buttons to control up to 16 X10 products directly from the console, including bright and dim functions and all lights on/off.	* 2 Flashing LED'S * IR to PLC converter *** IR/RF to PLC converter also available** * All units On / All units Off button * Dim and Bright button * 230V, 50Hz * Incl. IR Touchscreen Remote
Software packages to control X10 Home Automation products	* VISAOWEB * HAL * HOMESEER * ACTIVE HOME * EHEM * HARMONY	ON REQUEST

Home Entertainment

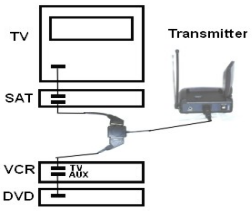
2.4 Ghz Video Senders

CL85 V.S. w. built in Cable Tuner	You plug the transmitter (which includes a cable tuner) into the co-axial outlet. The built-in cable tuner select and save all available TV channels in memory (configurable). The receiver is connected to your second TV, anywhere in house. The transmitter now wirelessly connected to the receiver, which you connect to your TV. Just point your remote control towards the receiver and choose the channel you want to watch. That's all!	* View cable TV in any other room in the house, with no wires * Full bandwidth HiFi stereo * Simple to use - just plug it in and switch it on * High quality broadband FM modulation * IR Remote Control included * Now with configurable channel list!
FL08 V.S. special Football design	The FL08 is a special designed wireless basic video sender with infrared extender feature for remotes. With this system you can connect a second TV without any cables; and from this location, you can also control your video recorder or satellite receiver. IR extender (EXLED3) to extend your remote control signal for three different devices are included.	* View satellite, VCR, cable or other A/V systems in any other room in the house, with no cables or wires * Full bandwidth HiFi stereo * Simple to use - just plug it in and switch it on * High quality broadband FM modulation. * Full infrared extender functions
SL18 Smart Scart IR VS	How to connect a flat TV screen to an A/V source, such as a DVD player, a CABLE or a SAT ? Untill today, it was a long and disruptive process : one had to install extra cables, and to hide them in a formwork. With the new Flexiview, the connection is totally wireless. Just plug the transmitter unit into the scart plug of the A/V source, and the receiver into the scart plug of the TV screen.	* View satellite, VCR, cable or other A/V systems in any other room in the house, with no cables or wires * Very small sized, swivels through 180 degrees to fit behind A/V components * IR feedback channel for existing remote controls * No antenna to lift
VL38 (silver optional) Video Sender PC to TV	The VL38 is a wireless video sender that transmits sound and vision throughout your house, without running wires. Usable for e.g. DVD, MP3, CD, DIVX, XVID, digital photos and internet radio. Wireless RF, transmits through walls and ceilings.	* Transmit DIVX, XVID, DVD and MP3 to your TV and Stereo in the living room * Can also transmit sound without images, ideal for MP3 or internet radio * Cables included

Home Entertainment

VL42 Video Sender with IR w/o modulator	The VL42 is a wireless basic designed video sender with infrared extender feature for remotes. With this system you can connect a second TV without any cables; and from this location, you can also control your video recorder or satellite receiver. IR extender (EXLED3) to extend your remote control signal for three different devices are included.	* View satellite, VCR, cable or other A/V systems in any other room in the house, with no cables or wires * Full bandwidth HiFi stereo * Simple to use - just plug it in and switch it on * High quality broadband FM modulation. * Full infrared extender functions
VL52 Video Sender with IR w/o modulator	The VL52 is a wireless silver designed video sender with infrared extender feature for remotes. With this system you can connect a second TV without any cables; and from this location, you can also control your video recorder or satellite receiver. IR extender (EXLED3) to extend your remote control signal for three different devices are included.	* View satellite, VCR, cable or other A/V systems in any other room in the house, with no cables or wires * Full bandwidth HiFi stereo * Simple to use - just plug it in and switch it on * High quality broadband FM modulation. * Full infrared extender functions
VL82 Video Sender with IR with modulator	The VM82 is a wireless silver designed video sender with IR and with built-in coax modulator. With this system you can connect a second TV without any cables. IR extender (EXLED3) to extend your remote control signal for three different devices are included.	* View satellite, VCR, cable or other A/V systems in any other room in the house, with no cables or wires * Full bandwidth HiFi stereo * Simple to use - just plug it in and switch it on * High quality broadband FM modulation. * Full infrared extender functions
VL88 New Designed Triangle VS dual input	The VL88 is a wireless newly and modern designed video sender with infrared extender feature for remotes. With this system you can connect a second TV without any cables; and from this location, you can also control your video recorder or satellite receiver. IR extender (EXLED3) to extend your remote control signal for three different devices are included.	* View satellite, VCR, cable or other A/V systems in any other room in the house, with no cables or wires * New and modern designed VS with blue led * Dual Source Input to connect 2 Audio/Video devices simultaneously * Plug & Play, incl. all necessary cables and adaptors

Home Entertainment

VL90 VL82 + Scart Switch box	The VL82 is a wireless silver designed video sender with IR and with built-in coax modulator. With this system you can connect a second TV without any cables. IR extender (EXLED3) to extend your remote control signal for three different devices are included and including Scart Switch Box.	* View satellite, VCR, cable or other A/V systems in any other room in the house, with no cables or wires * Full bandwidth HiFi stereo * Simple to use - just plug it in and switch it on * High quality broadband FM modulation. * Full infrared extender functions
VL58 5.8 GHz Video Link	The Transmitter is connected to A/V equipment anywhere in your house. The Receiver is connected to a second TV, wherever desired around the home. The Transmitter sends audio and video wirelessly to the Receiver, (even through walls and ceilings). To control a source, simply aim the remote towards the Receiver, from whichever viewing location you choose.	* Connect 2 Audio/Video devices simultaneously (e.g. SAT and DVD Player) * Easy switching back and forward between source devices via your existing remote control or manually using the switch on the transmitter or receiver * Also suitable for graphic or TV cards with TV-out from a PC * Feedback channel for existing remote control * Plug & Play, including all necessary cables and adapters
SSB  Smart Scart Box for VM82	The SSB is designed for use with the VM82. Watch any A/V source (VCR, SAT, DVD etc) on a second TV, even different from the main TV without cables or wires. Zap a source to another, from the comfort of your 2nd TV armchair, just with your remote control.	* Full bandwidth HiFi stereo
SS86 Wireless Audio Sender	The SS86 allows to transmit any music from an Audio/Video source to another pair of Hifi speakers without any additional wire. The 2,4Ghz passes through walls and ceilings so it is possible to spread the music all over a house in several places as many times as there are additional couple of speakers.	* The SS86 consists of: - Sender base unit which connects to the audio out jack on any audio source - Receiver unit with built-in speaker driver to which you connect your own speakers - Remote Control that lets you control volume, balance, bass, etc.
VR42 Extra Receiver for VM42	VR52 Extra Receiver for VM52	VR82 Extra Receiver for VM82 with modulator

Home Entertainment

VT42 Extra Transmitter for VM42	VT52 Extra Transmitter for VM52	VT52 Extra Transmitter for VM82

Wired IR Extenders/RF Modulators

VLEU Videolink 470-862Mhz	The VLEU (Videolink for Europe) creates an extra tv channel for your satellite receiver or dvd player and places this channel on the antenna network in your home. The connected device(example: Your dvd player) can then be controlled using your own remote control: The infrared receiver included is placed beside your second tv and transmits all remote control commands via the coax cable to the device connected to the VLEU	* Watch the images of your satellite receiver, DVD player, VCR, PC or security camera in any room with an antenna connection! * You can control the equipment (e.g. the DVD player) from the room you're in. * Stereo sound. * Optimal image and sound quality. * Suitable for all brands and models. * Foror use with PAL B/G and PAL I TV systems.
VLEU1 Videolink 126-300Mhz	The VLEU1 (Videolink for Europe) creates an extra tv channel for your satellite receiver or dvd player and places this channel on the antenna network in your home. The connected device(example: Your dvd player) can then be controlled using your own remote control: The infrared receiver included is placed beside your second tv and transmits all remote control commands via the coax cable to the device connected to the VLEU1	* Watch the images of your satellite receiver, DVD player, VCR, PC or security camera in any room with an antenna connection! * You can control the equipment (e.g. the DVD player) from the room you're in. * Stereo sound. * Optimal image and sound quality. * Suitable for all brands and models. * Only for use with PAL B/G TV
VLUK Videolink 470-862Mhz	The VLUK (Videolink for UK) creates an extra tv channel for your satellite receiver or dvd player and places this channel on the antenna network in your home. The connected device(example: Your dvd player) can then be controlled using your own remote control: The infrared receiver included is placed beside your second tv and transmits all remote control commands via the coax cable to the device connected to the VLUK	* Watch the images of your satellite receiver, DVD player, VCR, PC or security camera in any room with an antenna connection! * You can control the equipment (e.g. the DVD player) from the room you're in. * Stereo sound. * Optimal image and sound quality. * Suitable for all brands and models. * Foror use with PAL I TV systems.

Home Entertainment

IWIRE-S101 	The iWire-S101 has been designed to transmit remote control signal from the viewing room to AV sources through coaxial cables which have embedded in the wall. To take advantage of existing coaxial cables, easily set up a convenient IR network and lessen the cables hassle around your house. If you also want to transmit your audio and/or video signals by coaxial cables, you can use a RF modulator.	* FSK Modulation * AGC function, signal can pass through several splitter or coupler * Remote control extender via existing home cable network * Suitable for RF Modulator * Easy to install * Light weight * Stable and no interference
IR Extender through cable		
AVM-T101G/I A/V Stereo RF modulator + Digital Channel Display	AVM-T101 series RF modulator is a programmable modulator which generates an RF TV channel from a baseband video and audio signal. It is the practical solution of building your home AV network. It can use current cable network in the house to transmit a good quality video and audio to another room.	* PAL B/G Stereo and or PAL I available * Dip switch channel selector * High output power up to 82dBµV * Dual input power source * UHF: 470 - 862Mhz
AVM-T102A (470-862Mhz) A/V Stereo RF modulator	AVM-T102 series RF modulator is a programmable modulator which generates an RF TV channel from a baseband video and audio signal. It is the practical solution of building your home AV network. It can use current cable network in the house to transmit a good quality video and audio to another room.	* PAL B/G Stereo and or PAL I available * Dip switch channel selector * High output power up to 82dBµV * Dual input power source * UHF: 470 - 862Mhz
AVM-T102B (126-300Mhz) A/V Stereo RF modulator	AVM-T102 series RF modulator is a programmable modulator which generates an RF TV channel from a baseband video and audio signal. It is the practical solution of building your home AV network. It can use current cable network in the house to transmit a good quality video and audio to another room.	* PAL B/G Stereo * Dip switch channel selector * High output power up to 82dBµV * Dual input power source * VHF: 126 - 300Mhz
291-77 (HiddenLink) IR Extender System Coax	The Hiddenlink kit is ideal for controlling 2 or more pieces of IR-controlled equipment located in a cupboard. The HiddenLink Kit uses a small shelf mounted IR receiver rather than a surface mount unit. The Hiddenlink is not designed to be used with plasma screens, which 'drown out' the IR signals you are sending with the emitted IR from the plasma display.	* Discrete small shelf mounted IR receiver. * Talkback red LED tests system for correct wiring as well as indicating infrared reception. * Easy 'plug and play' installation * Comes with 2m of cable attached with 3.5mm stereo mini plug for direct connection to connecting block

172-77 (XtraLink2) IR Extender System Wired	Control your VCR and satellite from your bedroom or children's room, uses existing antenna cable, easy installation without tools and works with all your remote controls of any brand. Extension up to 40 meter via direct coax cable connection.	* Use your own remote control through walls and ceilings * Works with existing Coax cables, up to 1000 m. * 230V 50Hz

433 MHz Wireless IR Extenders		
EXLED3 Triple LED IR Extension Lead	This Infrared Emitter contains three tiny infrared LEDs housed in miniature, mouse shaped, black appearing, injection molded plastic shell. It emits IR control signals sent to it by IR receivers or other similar controllers. The EXLED3 can be installed directly on the IR sensor window of the controlled device or other suitable location	
PM10B Silver Designed Powermid - now battery powered	The powermid dual power has the same functionality as the classic powermid, however newly designed. The receiver of the powermid dual power can work both via the mains, but also on batteries, which is ideal when there is no wall outlet close by. The PM10B contains EXLED3, which can be used when you want to place the receiver out of direct line of sight of your equipment	* Use your own remote control through walls and ceilings * Long range * Uses 230V or batteries! * EXLED3 emitter included * 2-pin Euro Plug or 3-pin UK plug
PM10C Xtra Long RF Range Powermid	A completely wireless extension of your infrared remote control! The signal goes through walls and ceiling without any problems just plug the units in the mains outlet and you're all set. No further installation required! With the receiver you can control multiple pieces of equipment in the same room.	* Use your own remote control through walls and ceilings * Long range * 230V 50Hz * 2-pin Euro Plug or 3-pin UK plug

Home Entertainment

PM18 433 MHz Xtra Small Powermid IR Link	Control any A/V source such as Cable box, Satellite receiver, DVD, VCR, HiFi, from a distant TV, with your existing remote control, even through walls and ceilings! Range up to 100 meters! (depending on environmental conditions). No need to get up anymore! To control the A/V source you wish, just point your remote control towards the transmitter, that's all!	* Use your own remote control through walls and ceilings * Long range * 230V 50Hz * 2-pin Euro Plug or 3-pin UK plug .....contents of the PM18
PMPLUS 	Many homes today have been pre-wired with coaxial cables to distribute the Audio/Video signal. But you still need to send the IR control codes. Marmitek Powermid Plus sends the IR codes by RF and provides a much needed universal remote control. Universal IR/RF remote controllers contain a library of codes to match most of the TV, Video, cable, LVD and SAT components currently available on the market	* Comprehensive library includes codes for most TV's VCR's, Sat's * Easy to set-up * Contents: - IR Extender/Receiver (RE10XE) - UR24E103 silver
PowermidPlus-Battery		
RE10C Extra Receiver for PM10C	RE10B Extra Receiver for PM10B	* Extra Receiver for classic and dual powermid
ST10C Extra Transmitter for PM10C	ST10B Extra Transmitter for PM10B	* Extra Transmitter for classic and dual powermid
HiFiR (Stereo Control) Battery Powered IR Extender	Control your VCR and satellite from your bedroom or children's room, uses existing antenna cable, easy installation without tools and works with all your remote controls of any brand.	* Battery operated: (9V battery not included) * Dimensions: 90x76x29mm Extension up to 40 meter via direct coax cable connection.

Home Entertainment

(Universal) Remote Controls

UR81S/UR81B 8/1 Universal IR Remote Contr.	Easy to use pre-programmed 8/1 IR remote control which replaces almost all remote controls from TV, VCR, CD, SAT, CBL, DVD, AUDIO sources.	* Replaces 8 remote controls * Infrared * Pre-programmed
UR24 8/1 Universal IR+RF R.C.	The 8/1 remote control replaces almost all remote controls from TV's,VCR, DVD and SAT receivers. Controls X10 modules via RF signal. Extensive code library. With automatic code search function and learning function of the original control codes.	* Replaces 8 remotes * Includes separate satellite, CD and * X10 Home Automation buttons * Easy to set up * Learning function to record commands from existing remotes * RF, 433,92Mhz
UR81SLR 8/1 Universal IR+RF R.C.	The 8/1 remote control replaces almost all remote controls from TV's,VCR, DVD and SAT receivers. Controls X10 modules via RF signal. Extensive code library. With automatic code search function and learning function of the original control codes.	* Replaces 8 remotes * Includes separate satellite, CD and X10 Home Automation buttons * Easy to set up * Learning function to record commands from existing remotes *** No more confusion: a green light indicates which device you are controlling.**
URTSIR 8/1 Universal IR Toucscreen R.C	The URTSIR 8/1 IR remote control replaces almost all remote controls from TV, VCR, CD, SAT, CBL, DVD, AUDIO sources. Very nice touch screen design makes easy and comfortable to use.	* Replaces 8 remotes * Easy to set up * Learning function to record commands from existing remotes * RF, 433.92Mhz
URTSRF 8/1 Universal IR+RF Touchscreen R.C.	The URTSRF is designed to control up to 8 devices (TV, VCR, CD, SAT, CBL, DVD, AUDIO and X10 Home Automation. To allow direct control of all these appliances in a convenient way, the URTSRF includes Touchscreen. The Touchscreen can display only the functions you need during a certain sequence e.g. during the setting of URTSRF to control A/V appliance or when you are controlling one of your appliances.	* Replaces 8 remotes * Includes separate satellite, CD and X10 Home Automation buttons * Easy to set up * Learning function to record commands from existing remotes * The screen can be customized * IR learnining up to 150 keys, 9 user programmed Macros * All Power Off and sleep timer feature * Backlight screen

Home Entertainment

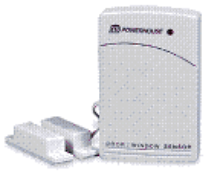
UR86E PC Remote Control	Remote Control for your PC. Control the MultiMedia functions on your PC. When your TV is connected to a TV, you can control PC media files on the TV or Stereo. The PC Control is also a universal IR remote control for all your audio and video equipment.	* Wide range wireless mouse control * (RF 10-20m) * Works through walls and floors * Control your lights and appliances with X10 modules * Includes Showshifter software, USB receiver and Universal Remote Control
UR86EL UR86E+ Learning functions	Remote Control for your PC. Control the MultiMedia functions on your PC. When your TV is connected to a TV, you can control PC media files on the TV or Stereo. The PC Control is also a universal IR remote control for all your audio and video equipment.	* Wide range wireless mouse control * (RF 10-20m) * Works through walls and floors * Control your lights and appliances with X10 modules * Includes Showshifter software, USB receiver and Universal Remote Control * **Plus Learning Functions**
IR-Link Powermid receiver for HF	Suitable to control appliances that are out of sight, at a great distance or even in other rooms in the home. Works in combination with Marmitek remote controls with a RF (radio frequency) transmitter.	

Wireless Audio

AK13/AK14 and AK15 iParty Wireless Audio Sender	You just got home and want to sit back and relax while enjoying to your favourite iTunes from your iPod Mini, Nano or MP3 player. But you also want the freedom to select all of your songs right from your iPod Mini while you sit on the couch and enjoy it all from your magnificent sounding Hi-Fi speakers. Scroll, shuffle and play as you are used to by using the navigation-wheel of your iPod as remote control.	* The iPod fits directly onto the iParty Wireless Sender, by using its headphone jack * The iParty Receiver also acts as a charger (2x reachargeable batteries included) * iParty references: **AK13 iPArty for iPod Mini** **AK14 iParty for MP3 player** **AK15 iParty for iPod Nano**

Home Security

Home Security

Security Products		
DS10E  Wireless Door/Window Sensor	X10 Door/Window sensor works with any X10 security system. This sensor sends wireless signals to the main console when a door or window is opened. The sensor is supervised (self-checking for professional reliability, e.g. low battery detection).	* Uses full 16 bits Code for RF transmis. * Range 30M * Battery operated: (2 x AAA battery not included) * 433.92MHz
GB10E Wireless Glass Break Sensor	The GB10 glass break sensor works with any X10 security system. The sensor stick on the glass, detects the vibrations of the glass and listens for the glass breaking high frequency. It sends a wireless radio frequency signal to the main console when a glass is broken or hit by a hammer. The sensor is supervised (self checking for professional reliability, e.g. low battery detection).	* Uses full 16 bit code for RF transmis. * Slide switch for selecting sensitivity * Range 30m * Battery operated: (2 x AAA battery, not included) * 433.92MHz
KR21E Wireless Key Chain Security Remote	The Key Chain Remote works with the SC28 base console or any X10 security system. Arm or disarm the system with the press of a single button as you pull into the driveway!	* Two-way sensitivity adjustment * Range 30m * 16 bit code * Battery operated, batteries included * 433.92MHz
MS10E Wireless Motion Detector	X10 PIR motion detector works with any X10 security system to protect areas with more than one entry point, e.g.: hallways, stairways etc., The sensor is supervised (self checking for professional reliability, e.g. low battery detection).	* Two-way sensitivity adjustment * Range 30m * 16 bit code * Battery operated: (4 x AAA battery not included) * 433.92MHz
MS13E2 Wireless Presens Detector	This unique product takes you above and beyond the capabilities of similar looking devices. In addition to turning on dual floodlights when the detector picks up motion, the PR7211 can turn on up to 4 X10 modules in or around your home. Security and convenience applications for this product are endless. Can be turned on or off from other X10 controllers.	* PIR Detector * Photocell for dusk/dawn functionality * Activate indoor or outdoor lighting, or sound a chime to alert you when someone approaches * Outdoor dual floodlights (not included) * 433.92MHz

Home Security

PH7208 Powerhorn	These piercing sirens can be added anywhere around the home. They work with any X10 security system, and respond to a signal from the main console when it is tripped. Nobody wants to hang around when one of these are going off.	* Alarm output: 110dB * 2 pin Euro Plug * 230V, 50Hz
SC28x Wireless Voice Dialler Security & Advanced H.A. Controller	Fully supervised 32 zone security system that gives you the power to protect your home whether you are at home or away. Built-in preventation features makes your house "lived-in". Centralized console always ensures you about the status of your home. Remote control of alarm light and appliances from anywhere in the world with any telehone (pulse or dialing).Keypad and remote control operated.	* Temperature control up to 4 thermostats TS10 (optional) * 7 days timer with 14 timer points e.g. create a lived in look while you are away * Dial-in (from anywhere in the world) for Alarm, Home Automation and Temperature status and setting * Listen-in functionality and Events Log * Rechargeable batteries for base console (included)!
 RF Sec. Remote Control (16Ch)	This full featured remote can be added to any X10 Security console to arm and disarm the system. Control for up to 4 other devices also allows you to brighten and dim, turn on and off lights and appliances, throughout the home. Available in both white as grey color!	* Works with Transceiver Module or Security/personal assistance consoles * Panic button * Range 30m * Battery operated: (4 x AAA battery not included) * Can also be used as Home Automation Remote Control * RF, 433,92MHz
SM10x Burglar Alarm Interface	Connects to the output of an existing, non X10 burglar alarm, and flashes house lights when your alarm is tripped. Works with X10 lamp and appliance modules. Easy to use door entry security system to activate lamp/appliance via magnetic contact.	* 3 modes of operation. * Activated by a low voltage input or dry contact closure * Contact Closure ->PLC * 230V, 50Hz
PR7211 Presense Detector with dual flood light	This unique product takes you above and beyond the capabilities of similar looking devices. In addition to turning on dual floodlights when the detector picks up motion, the PR7211 can turn on up to 4 X10 modules in or around your home. Security and convenience applications for this product are endless. Can be turned on or off from other X10 controllers.	* PIR Detector * Photocell for dusk/dawn functionality * Activate indoor or outdoor lighting, or sound a chime to alert you when someone approaches * Outdoor dual floodlights (not included) * 433.92MHz

Home Security

DS18 Wireless Door/Window Sensor	The DS18 door/window sensor works with any X10 security system. This sensor sends a wireless radio frequency signal to the main console when a door (window) or/and the hard wired input are opened. The sensor sends a "self-checking" transmission approximately every 90 minutes.	* Supervised door/window sensor (sends a self checking signal every 90 minutes) * Uses full 16 bit Code for RF transmission. * Input for an extra wired sensor * Temper switch * Battery operated
KR18 Wireless Key Chain Security Remote	The Key Chain Remote works with the SC28 base console or any X10 security system. Arm or disarm the system with the press of a single button as you pull into the driveway!	* Two-way sensitivity adjustment * Range 30m * 16 bit code * Battery operated, batteries included * 2 H.A. function buttons * 433.92MHz
KR38 Emergency remote	Ideal for the individual that lives alone and is looking for the comfort of knowing that in case of an emergency, Help is right around the corner.	
MS18 Wireless Motion Detector	The MS18 indoor motion det.works with any X10 security system to protect areas with more than one entry point, such as hallways, stairways,etc. Sophisticated dual element Passive Infrared (PIR) technology combined with two-way sensitivity adjustment ensures that the MS18 motion detector will catch the smartest intruder - but won't be fooled by small pets. It can "see" up 12 meters with a 90 degree field of view	* Supervised motion detector (sends a self checking signal every 90 minutes). * Two-way sensitivity adjustment. * Uses full 16 bit Code for RF transmission. * Temper switch. * Battery operated with low battery detection.
SH600 RF Sec. Remote Control (16Ch)	This full featured remote can be added to any X10 Security console to arm and disarm the system. Control for up to 4 other devices also allows you to brighten and dim, turn on and off lights and appliances, throughout the home. Available in both white as grey color!	* Works with Transceiver Module or Security/personal assistance consoles * Panic button * Range 30m * Battery operated: (4 x AAA battery not included) * Can also be used as Home Automation Remote Control * RF, 433,92MHz

SH10x Plug-in Security Powerhorn "remote chime	The Powerhorn SH10 remote siren is a remote controlled siren with a piercing 95 decibel sound output. It receives signals over existing house wiring and responds to the "All Lights On/All Units Off" flashing sequence from any X10 Home Security System, or the SM10x Burglar Alarm Interface.	* Alarm output: 95 Decibel. * Plugs into any 220V ~ 50Hz outlet.

Security Kits		
BS880/4 (Protector+/4) Wireless Voice Dialler Security System 4pcs	Complete secure wireless alarm system. Be alerted by phone on upto 6 numbers if alarm is triggered when your away. Panic button feature to warn others if you are in danger. Flexible and expandable up to 30 (and2 wired) wireless sensors/zones and 10 remote controls. Silent alarm and partial arm features. Remote control of alarm, lights and appliances from any location with any telephone. Switch lights on and off for "lived in" look.	* Temperature control with up to 4 thermostats TS10 (optional). * 7 day timer with 14 timer points: e.g. create a 'lived in look' while away. * Dial-in for Alarm, Home Automation and Temperature Status and Setting. * Listen-in functionality and Events log. * Rechargeable batteries (Base Console) * Pulse and Tone Dialing
BS880/7 (Protector+/7) Wireless Voice Dialler Security System 7pcs	Complete secure wireless alarm system. Be alerted by phone on upto 6 numbers if alarm is triggered when your away. Panic button feature to warn others if you are in danger. Flexible and expandable up to 30 (and2 wired) wireless sensors/zones and 10 remote controls. Silent alarm and partial arm features. Remote control of alarm, lights and appliances from any location with any telephone. Switch lights on and off for "lived in" look.	* Temperature control with up to 4 thermostats TS10 (optional). * 7 day timer with 14 timer points: e.g. create a 'lived in look' while away. * Dial-in for Alarm, Home Automation and Temperature Status and Setting. * Listen-in functionality and Events log. * Rechargeable batteries (Base Console) * Pulse and Tone Dialing
BS8000 (Homeguard) Mini Motion Security System incl. phone dialler	All that you need to protect small apartments or studios. Simple to install and also discrete but attractive, the console integrates all the functions needed to make your apartment safe even when you are at home. Just press the panic button on the keyfob to call for help. If a burglar tries to break-in, the telephone dialler will call to bring help.	* Improved version, register up to 4 wireless sensors & and remotes * Extra hard-wired input for external sensors * Includes built-in motion detector * Built-in 90dB siren (can be switched off) * Built-in telephone dialler: You can select up to 3 telephone numbers * Pulse and Tone Dialing

DK10x Barking Dog Kit	If the ReX-10. is armend and an intruder approached your home the outdoor battery operated DM10 sends a wireless RF Signal to the ReX-10 to tell it to start working. If motion continues ReX-10. continues to bark and starts to turn on indoor and outdoor modules connected to X10 modules. Also turns lights on at dusk.	* Automatically activates a digital recording of a barking dog * Automatically turns on lights, even at dusk and turns them off again at dawn * Compatible with the full range of Home Automation, Security products and Remote Controls

Cameras and Accessories		
BPNRXCAM Battery Pack for XCAM2	Your XCam2's really can go anywhere you want, in every room of your home or office! Because now, you don't have to have an outlet to power the camera and transmitter! With the new XCam2 Battery Pack, it's easier than ever to expand your XCam2 wireless A/V system! Now the TV studio that fits in the palm of your hand is mobile.	* Use your XCAM2 anywhere you want * Up to 4 hours of continuous power * Battery powered: (4 x AA battery not included)
TRPDXCAM Tripod for XCAM2 Camera	The Tripod allows you to capture perfect, steady images with your camera at almost any angle. It is easy to install - simply screw the XCam2 on to the Tripod. Now your XCam views & pictures are perfect all the time at every angle. No more balancing acts and the need to reposition your camera or the need to find a place to install.	* Camera can be tilted to 90° degrees and rotates a full 360° degrees. * Anti-vibration, Anti skid soft rubber Tripod
FLOODCAM Wireless 2,4Ghz Flood Camera	Easily integrates into you multi-camera system The amazing Floodcam is weather-resistant wireless oclor video camera with built-in 2.4 GHz transmitter and motion sensor and attached dual floodlight casing. **Motion acitvated /dual Floodlight**	* Camera uses "INSTANT-ON" techn. * 1/3" format with 307k active pixels * Automatic gain control * Field of view: 60 degrees * Motion sensor range: 6 meters * Auto white balance * Moulding in plastic, splash proof to IP53 * Max wattage: 150W per lamp holder
ROBKIT 	With the XCam2 kit, it is already possible to transfer pictures and sound to a TV set or a monitor, with high quality resolution, even through walls and ceilings. The ROBOCAM accessories increase the XCam2 flexibility to its maximum: they allow to move a camera from left to right, up to down, in order to cover 240°. With the remote control, the user can remotely move the position of the camera to monitor whatever he wants, and he can store up to 4 preset positions, ideal when he is away.	* The Robocam consists of: - a Pan'n tilt Base - a Scan Pad Remote Control - a mounted Bracket - a power supply adapter * Transmitter - Battery operated: 4 x AAA - 433.92MHz * Receiver - 230V, 50Hz

Home Security

XCAM1 Observation Camera with cable	The X10 wireless camera uses the latest camera technology to bring you high quality colour pictures at a reasonable price. The camera is easy to install - simply plug into the video socket of your TV or Videosender.	* Camera: Omnivision single chip CMOS * 1/3" format with 251k active pixels * Built-in microphone * Moulding in plastic * 20M flat cable and PSU included * 2.4GHz * 220V, 50Hz
XCAM2 Wireless 2,4Ghz Camera Syst.	Nice retail kit based on the XCAM2 wireless Camera and Receiver unit. The camera is easy to install - simply fix it to the wall and plug in the power supply. The images are sent direct to your video receiver which is plugged into your TV.	* Addressable PSU included to control up to 256 camera's with X10 Home * Built-in microphone * Range: 15-30m * Weight Camera: 114gram * 2.4GHz * 230V, 50Hz *** Also available incl battery pack and tripod (XCAM2+)**
XCAM2P Wrless 2,4Ghz Cam. Syst. W. built-in PIR & VCR Commander	As soon as it detects movement, the XCam 2 PIR activates the VCR, and transmits an A/V signal to it. The transfer is made by the 2.4 GHz Antenna of the camera, with high quality resolution even through walls and ceilings, without additional coaxial cables. **This kit inlcudes a camera, a VCR commander and a receiver.**	* Addressable PSU included to control up to 256 camera's with X10 Home * Built-in microphone * Range: 15-30m * 2.4GHz * 230V, 50Hz
XCAME2E Extra Camera for XCAM2	XCAME2P Extra Camera for XCAM2P	Accessories for XCAM2 and XCAM2P available on request: - Extra Cameras - Extra Receiver for XCAM2 - Control PSU's for Cameras
XM11 PSU for XCAM2	XM14 PSU for ROBOCAM	Accessories for XCAM2 and XCAM2P available on request: - Extra Cameras - Extra Receiver for XCAM2 - Control PSU's for Cameras
XRAYVISION Xrayvision Software & USB kit	The Xray Vision has been designed to give the user maximum use of your digital images and without the need of other hardware. Xray vision Software & USB Converter Kit.	* Connect any Xcam to your PC * Transmit live colour video to your PC * View images directly over the web * No additional PC hardware requested - plugs in your PC port

BMB Electronics BV
Kortakker 10
4264 AE Veen
Nederland

T: +31 (0) 416 315 710
F: +31 (0) 416 315 719

www.bmbelectronics.eu